

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of)
)
)

Amendment of Section 73.622(i),)
Final DTV Table of Allotments,)
Television Broadcast Stations)
(Clovis, New Mexico))
_____)

RM-11464

MB Docket No. 08-132

FILED/ACCEPTED

SEP 26 2008

Federal Communications Commission
Office of the Secretary

PETITION FOR RECONSIDERATION

In a Petition for Rulemaking filed on June 20, 2008, Barrington Amarillo License LLC ("Barrington"), licensee of television station KVIH-TV, Clovis, New Mexico (Channel 12), and permittee of television station KVIH-DT, Clovis, New Mexico (Channel 20) (collectively, "KVIH" or the "Station"), requested that the Commission amend the DTV Table of Allotments to replace the Channel 20 allotment for Clovis, New Mexico with an allotment for Channel 12.¹ The Media Bureau dismissed Barrington's request because the Channel 12 facility it proposed to construct if the channel substitution were granted would not serve all of KVIH's Appendix B population.²

Barrington requests reconsideration of the Bureau's decision because it has recently determined that it could construct a Channel 12 facility operating at 5.0 kW effective radiated power instead of the 1.5 kW facility described in the Petition. This facility would serve more than 100% of the population predicted to be served by the station's Appendix B facility on

¹ Barrington Amarillo License LLC, Petition for Rulemaking, RM-11464, MB Docket No. 08-132 (filed Jun. 20, 2008) ("Petition").

² Letter from Barbara A. Kreisman, Chief, Video Division, Media Bureau, to Jennifer A. Johnson, Counsel to KVIH, DA 08-2047 (rel. Sep. 5, 2008).

Channel 20.³ In addition, it would provide service to more viewers than are served by its existing analog facility.⁴ Finally, the proposed facility satisfies the requirements of Sections 73.616 (Post-transition DTV station interference protection) and 73.623 (DTV applications and changes to DTV allotments).⁵

Using this 5.0 kW facility, KVIH would be able to serve more than 100% of its existing analog population⁶ and provide new digital service to viewers who are not currently served by the temporary 0.26 kW facility. In short, grant of Barrington's Petition would ensure continued service to many viewers who would lose service after the station's February 17, 2009 transition, either permanently or for a period of as long as four months, if Barrington is required to construct KVIH's final post-transition facility on Channel 20.

As the Station explained in its Petition, remaining on Channel 20 would involve an extensive interruption in service after February 17, during which time the station would not operate in analog and its only digital service would be from KVIH's temporary digital facility, which operates with an effective radiated power of only 0.26 kW.⁷ This interruption in service is required because of severe mechanical problems with the KVIH broadcast tower that would make it unsafe to mount a new Channel 20 antenna without first removing the Channel 12 antenna, a process that could take as long as 120 days.

³ See D.L. Markley & Assocs., Inc., Engineering Statement, attached at Exhibit A.

⁴ Specifically, the proposed 5.0 kW digital facility would provide service to 2.8% more viewers than currently receive an interference-free signal within the Station's analog Grade B contour. *Id.* at 2.

⁵ *Id.* at 3.

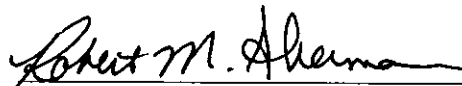
⁶ See n.4, *supra*.

⁷ See Petition at 2; File No. BDSTA-20020411ABG.

Despite the public interest benefits in avoiding a four-month interruption in service, the Bureau determined that the use of the facility described in the Petition was undesirable because it would not fully serve the Station's Appendix B population. The proposed 5.0 kW facility would deliver service to 100% of that population – as well as ensure continued service to 100% of the existing KVIH-TV analog population after the transition.⁸

Because Barrington can use this expanded facility to avoid any loss of service to its community – specifically, to avoid a temporary loss due to the extended construction time required to change channels *and* permanent service loss due to a reduction in power – the public interest would be served by reconsideration of the Commission's decision.⁹ Based on the availability of the 5.0 kW facility, Barrington respectfully requests that the Commission amend the DTV Table of Allotments to specify a Channel 12 allotment for Clovis, New Mexico and allow Barrington to apply for a permit promptly to construct the 5.0 kW Channel 12 facility.

Respectfully submitted,



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Counsel to Barrington Amarillo License LLC

September 26, 2008

⁸ KVIH is a satellite of commonly-owned station KVII, Amarillo, Texas. In prior filings to this proceeding, we indicated that KVIH was an ABC-affiliated station and, until recently, KVIH rebroadcast the ABC television network programming carried by its parent station, KVII. KVIH no longer carries ABC programming, but has now affiliated with the CW Television Network in order to bring new television network service to the Clovis area. KVII-DT simulcasts KVIH's programming on a digital multicast channel.

⁹ See 47 C.F.R. § 1.429(b)(3).

EXHIBIT 1

Engineering Statement

The following engineering statement and attached exhibits have been prepared for **Barrington Amarillo License LLC** ("Barrington"), licensee of television station KVIH-TV at Clovis, New Mexico, and are in support of their petition for reconsideration relative to a Petition for Rulemaking.¹

Under the Appendix B Table of Allotments, KVIH-DT was allocated DT channel 20. The allocation specifies that KVIH-DT would operate with a maximum effective radiated power of 598 kW at a center of radiation of 204 meters above average terrain. This allotment also specifies antenna ID 74900, which is the replication pattern for the current KVIH-TV antenna. The antenna currently in use by KVIH-TV is, however, a non-directional antenna.

Barrington seeks reconsideration of its request to modify the relevant entry in the Appendix B table of allotments as follows:

Current:

Clovis, NM	20
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Proposed:

Clovis, NM	12
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This proposed change to the table of allotments will permit KVIH-TV to flash-cut to digital operations on its current NTSC channel utilizing the existing analog antenna and transmission line at the conclusion of NTSC full-power operations in 2009.

¹ The facility ID for KVIH-TV is 40450.

The Petition for Rulemaking on channel 12 specified an effective radiated power of 1.5 kW at a center of radiation of 204 meters above average terrain.² This request was denied by the Commission as the specified parameters resulted in a greater than permissible population loss relative to the KVIH allocated Appendix B facility. Barrington therefore proposes to increase the effective radiated power to 5.0 kW, which would result in no loss in the service area population relative to the Appendix B allocation. Indeed the proposed parameters actually represent an increase in the population of the KVIH-DT service area relative to the Appendix B allocation as demonstrated in Exhibits E-1 through E-3.³

In addition to the increase in population served relative to the Appendix B allocation, the proposed allotment would also serve a greater population than the current licensed NTSC facility operating on the same channel. In order to compare the actual population served by the licensed NTSC facility with the population predicted to be served by the proposed DTV allotment, the number of persons receiving an interference-free signal in excess of 56 dBu F(50,50) within the Grade B service contour was compared with the number of persons receiving an interference-free signal in excess of 36 dBu F(50,90) within the noise limited contour of the proposed allotment.

Exhibit E-4 depicts and tabulates the service area of the current KVIH-TV NTSC facility using the same methodology as the calculations for DTV service area.⁴ As the map and tabulation demonstrate, the population of the service area of KVIH-TV under the 2000 Census is 83,763.

² Average terrain based on 360 radial sample of 3-second linearly interpolated terrain database. Center of radiation at 1437 meters AMSL is equivalent to 204.3 meters above average terrain.

³ Appendix B indicates a service area population of 87 thousand persons. The service area population recalculated using a current database yields a population of 85,421 persons while the proposed facility has a service area population of 86,075 persons.

⁴ The calculations for the NTSC service area described are based on a field strength of 56 dBu F(50,50) consistent with the definition of a Grade B signal on channel 12.

Since the proposed allotment has a service area population of 86,075, an increase of 2,312 residents or 2.76 percent would result when compared against the current NTSC facility.

The petition for rulemaking specified a blank antenna ID. The lack of any proposed antenna ID, which corresponds to a non-directional antenna, is consistent with the type of antenna currently in use by KVIH-TV. The current antenna will be utilized in the post-transition environment for DTV operations on channel 12. Barrington therefore continues to propose the use of a non-directional antenna under this petition, and requests that a blank antenna ID be assigned to the modified allocation.

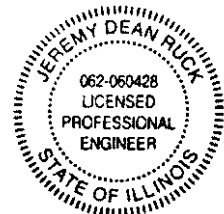
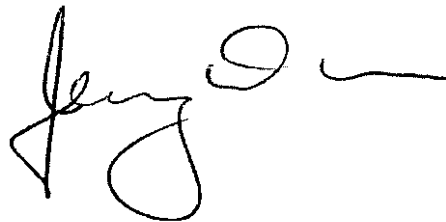
The proposed changes to the Appendix B Table of Allotments would be consistent with Commission Rules and Policies currently in effect. The change from channel 20 to channel 12 would not result in impermissible interference to any allocated, proposed, or authorized facility. The map in Exhibit E-5, and related tabulation, demonstrate that the proposed allocation is not predicted to cause any interference to other relevant proposed or authorized facilities in the region.

The change to the KVIH-DT allotment would comply with the provisions of Section 73.625 of the Commission's Rules with regard to coverage over the community of license. Exhibit E-6 depicts the coverage from the proposed facilities. As this map demonstrates, the entire community of Clovis, New Mexico would lie within the 43 dBu F(50,90) service contour and would receive a signal level of at least 43 dBu as determined by Longley-Rice.

The summary of the proposed technical parameters to the KVIH-DT allocation is as follows:

Channel of Operation:	12
Latitude:	34-11-34 North
Longitude:	103-16-44 West
DTV ERP (kw):	5.0 kW
DTV HAAT (m):	204 meters
DTV COR AMSL (m):	1437 meters
Antenna ID:	<i>blank</i>

The preceding statement and attached exhibits has been prepared by me, or under my direction, and are true and accurate to the best of my belief and knowledge.



Above signature is digitized copy of actual signature
License Expires November 30, 2009

Jeremy D. Ruck, PE
September 25, 2008



KVIH-DT.ALL**ALLOCATION**

Latitude: 34-11-34 N
Longitude: 103-16-44 W
ERP: 598.00 kW
Channel: 20
Frequency: 509.0 MHz
AMSL Height: 1437.0 m
Elevation: 1226.0 m
Horiz. Pattern: Directional
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: FCC Method

KVIH-D.PRO**PROPOSED ALLOC**

Latitude: 34-11-34 N
Longitude: 103-16-44 W
ERP: 5.00 kW
Channel: 12
Frequency: 207.0 MHz
AMSL Height: 1437.0 m
Elevation: 1226.0 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: FCC Method

D.L. Markley & Associates, Inc.

-  KVIH-DT App. B Alloc. 41 dBu F(50,90) Contour
-  KVIH-DT Prop. Alloc. 36 dBu F(50,90) Contour

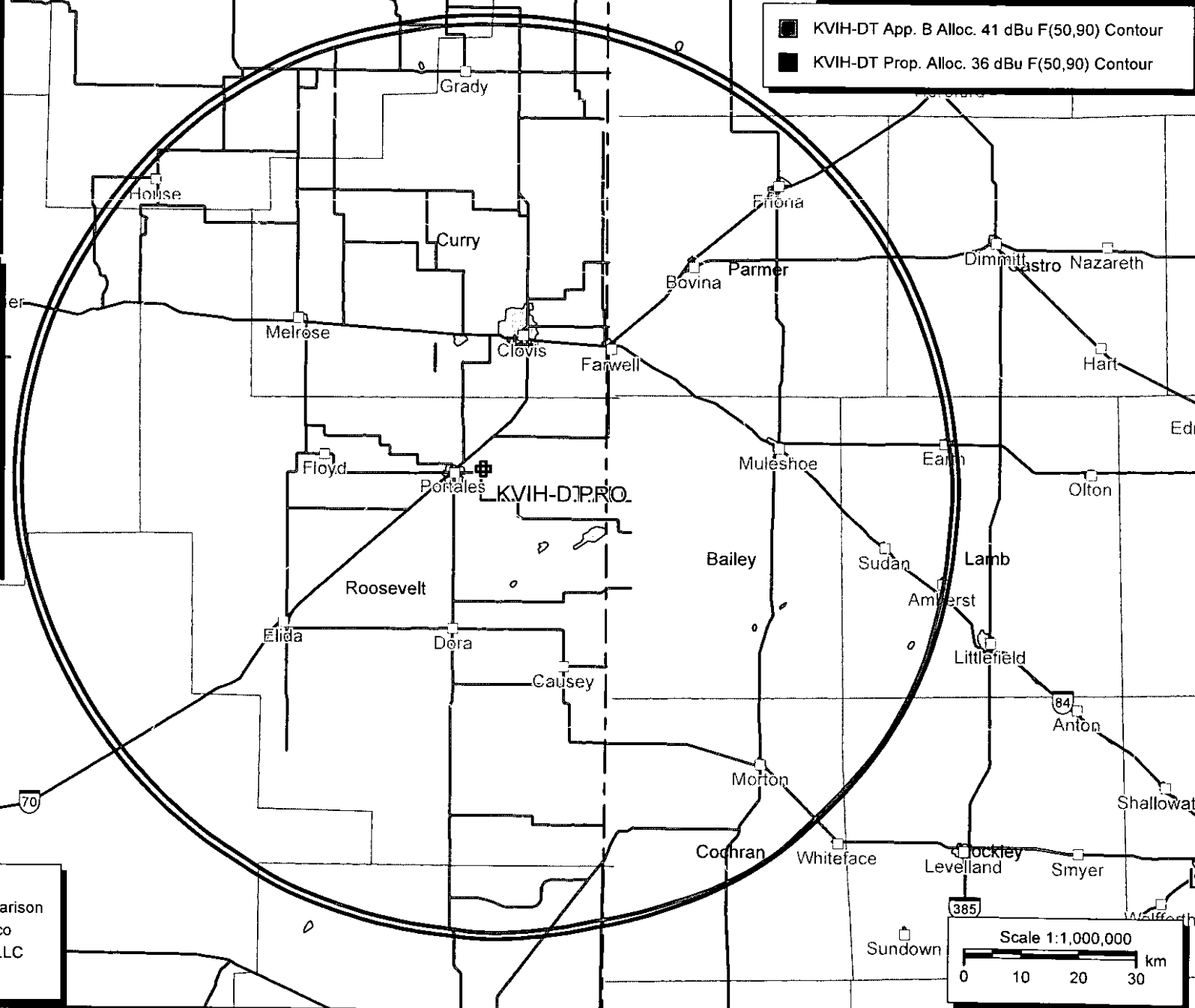



































Exhibit E-1
Noise Limited Contour Comparison
KVIH-DT - Clovis, New Mexico
Barrington Amarillo License LLC
September, 2008

KVIH-D
APPENDIX B ALLOC
 Latitude: 34-11-34 N
 Longitude: 103-16-44 W
 ERP: 598.00 kW
 Channel: 20
 Frequency: 509.0 MHz
 AMSL Height: 1437.0 m
 Elevation: 1226.0 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 301.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast

 > 41.0 dBu

D.L. Markley & Associates, Inc.

-  KVIH-D
-  K20CV
-  K20GO
-  K20GQ
-  K20GU
-  K20HD
-  K20II.C
-  K20JB-D.C
-  K20JC-D.C
-  K21FV
-  K21FV.A
-  K21FV-D.A
-  K21IM-D.C
-  K21IS-D.C
-  K21JE.C
-  K55BV-D.C
-  K62BQ.C
-  KADX-L.C
-  KDFP-L-D.C
-  KOCT-D
-  KOCT-D.A
-  KOCT-D.C
-  KRWB-D
-  KRWB-D.A
-  KRWB-D.C
-  KTLE-L
-  KTLE-L.A
-  KTXS-D
-  KTXS-D
-  KTXS-D.C
-  KWGD-L
-  KWGD-L.C

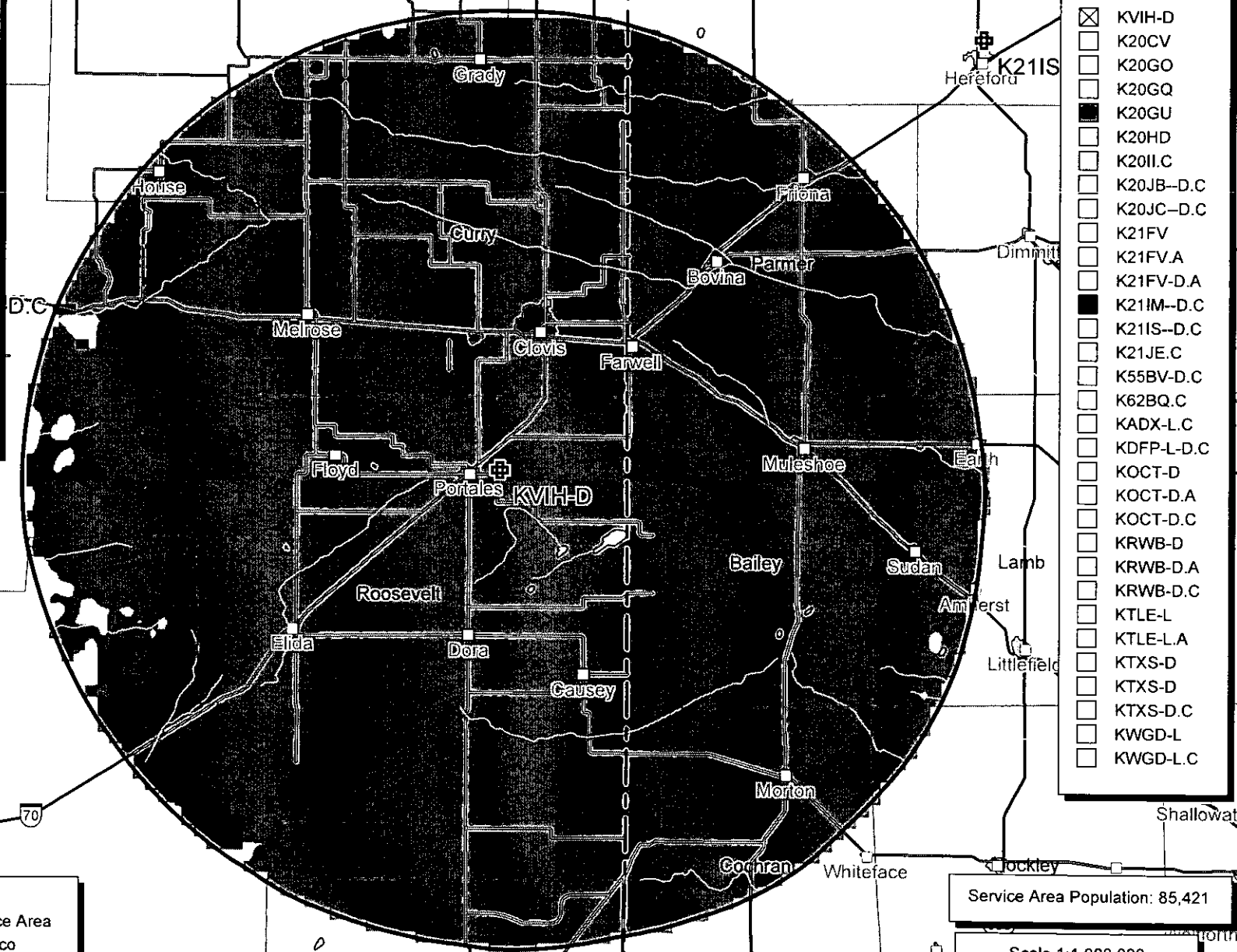


Exhibit E-2
 Appendix B Allocation Service Area
 KVIH-DT - Clovis, New Mexico
 Barrington Amarillo License LLC
 September, 2008

Service Area Population: 85,421

Scale 1:1,000,000

0 10 20 30 km

Exhibit E-2

Service Area Population Calculation for Appendix B Allocation.

KVIH-D (20) CLOVIS, NM - APPENDIX B ALLOC

Broadcast Type: Digital Service: D

Lat: 34-11-34 N Lng: 103-16-44 W ERP: 598.0 kW AMSL: 1437.0 m

TV Incoming Interference Study

Interference Considered Within: FCC Contour: 41 dBu

Signal Resolution: 2.0 km

LR Profile Spacing Increment: 1.0 km

Consider NTSC Taboo: Yes

KWX error points are considered to
be interference free coverage.

of radials computed for protected contour: 360

Threshold for reception: 41.0

Pop Centroid DB: 2000 US Census (SF1)

Study Date: 9/22/2008

TV Database Date: 9/20/2008

Primary Terrain: V-Soft 3 Second US Terrain

Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 85,441.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
K20GU (20-)	5	5	0.006	336.89
K21IM--D.C (21)	2	15	0.018	12.09

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
K20GU (20-)	5	0.006	5	0.006
K21IM--D.C (21)	15	0.018	15	0.018

Stations considered which do not cause interference:

K20CV (20Z)
K20GO (20+)
K20GQ (20Z)
K20HD (20N)
K20II.C (20-)
K20JB--D.C (20)
K20JC--D.C (20)
K21FV (21Z)
K21FV.A (21Z)
K21FV-D.A (21)
K21IS--D.C (21)

K21JE.C (21+)
 K55BV-D.C (20)
 K62BQ.C (20N)
 KADX-L.C (20N)
 KDFP-L-D.C (21)
 KOCT-D (19)
 KOCT-D.A (19)
 KOCT-D.C (19)
 KRWB-D (21)
 KRWB-D.A (21)
 KRWB-D.C (21)
 KTLE-L (20Z)
 KTLE-L.A (20Z)
 KTXS-D (20)
 KTXS-D (20)
 KTXS-D.C (20)
 KWGD-L (19N)
 KWGD-L.C (19N)

Call Letters	City	State	Dist	Bear
K20CV (20Z)	Raton, Etc.	NM	294.9	339.9
K20GO (20+)	Eagle Nest/angelfir	NM	322.9	327.3
K20GQ (20Z)	Las Vegas	NM	239.4	311.4
K20GU (20-)	Ruidoso, Etc.	NM	247.7	250.0
K20HD (20N)	Pecos	TX	358.5	192.3
K20II.C (20-)	Lubbock	TX	150.0	119.2
K20JB--D.C (20)	Hollis	OK	324.6	78.2
K20JC--D.C (20)	Memphis	TX	254.9	73.8
K21FV (21Z)	Seminole	TX	173.5	159.6
K21FV.A (21Z)	Seminole	TX	173.5	159.6
K21FV-D.A (21)	Seminole	TX	153.5	153.7
K21IM--D.C (21)	Fort Sumner	NM	104.0	287.9
K21IS--D.C (21)	Hereford	TX	109.2	47.8
K21JE.C (21+)	Hobbs	NM	163.7	174.0
K55BV-D.C (20)	Boise City	OK	290.1	14.2
K62BQ.C (20N)	Sayre	OK	343.6	71.0
KADX-L.C (20N)	Andrews	TX	214.9	161.6
KDFP-L-D.C (21)	Plainview	TX	128.7	88.5
KOCT-D (19)	CARLSBAD	NM	177.6	209.4
KOCT-D.A (19)	Carlsbad	NM	177.6	209.4
KOCT-D.C (19)	Carlsbad	NM	177.6	209.4
KRWB-D (21)	ROSWELL	NM	151.2	217.0
KRWB-D.A (21)	Roswell	NM	151.2	217.0
KRWB-D.C (21)	Roswell	NM	151.2	217.0
KTLE-L (20Z)	Odessa	TX	271.3	161.7
KTLE-L.A (20Z)	Odessa	TX	271.3	161.7
KTXS-D (20)	SWEETWATER	TX	355.2	122.9
KTXS-D (20)	Sweetwater	TX	355.2	122.9
KTXS-D.C (20)	Sweetwater	TX	355.2	122.9
KWGD-L (19N)	Welch	TX	173.0	141.6

TX	173.0	141.6
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Totals for KVIH-D (20)

Calculation Area Population:	85,454	(20309.5	sq. km)
Not Affected by Terrain Loss:	85,441	(20127.4	sq. km)
Total NTSC Interference:	5	(	336.9	sq. km)
DTV Only Interference:	15	(	12.1	sq. km)
Total DTV Interference:	15	(	12.1	sq. km)
Interfered Population:	20	(	349.0	sq. km)
Interference Free:	85,421	(	19778.4	sq. km)

Percent Interference: 0.02

Terrain Blocked Population: 13 (182.1 sq. km)
Contour Area Population: 86,014

Interference Free Breakdown:

White:	49,200	(57.6%)
Black:	3,654	(4.3%)
Hispanic:	29,879	(35.0%)
Native American:	469	(0.5%)
Asian:	927	(1.1%)
Pacific Islander:	51	(0.1%)
Mixed Race:	1,164	(1.4%)
Other:	77	(0.1%)
Total:	85,421	

	Housing Units	Population	% of County
New Mexico			
Chaves County			
County Pop	25,647	61,382	
KVIH-D (20)	29	49	
K20GU (20-)	5	5	10.20
Ix Free	24	44	89.80
Curry County			
County Pop	19,212	45,044	
KVIH-D (20)	19,189	45,002	
Ix Free	19,189	45,002	100.00
De Baca County			
County Pop	1,307	2,240	
KVIH-D (20)	31	82	
K21IM--D.C (21)	2	15	18.29

Ix Free	29	67	81.71
Lea County			
County Pop	23,405	55,511	
KVIH-D (20)	31	46	
Ix Free	31	46	100.00
Quay County			
County Pop	5,664	10,155	
KVIH-D (20)	161	250	
Ix Free	161	250	100.00
Roosevelt County			
County Pop	7,746	18,018	
KVIH-D (20)	7,746	18,018	
Ix Free	7,746	18,018	100.00

	Housing Units	Population	% of County
Texas			
Bailey County			
County Pop	2,738	6,594	
KVIH-D (20)	2,738	6,594	
Ix Free	2,738	6,594	100.00
Castro County			
County Pop	3,198	8,285	
KVIH-D (20)	73	132	
Ix Free	73	132	100.00
Cochran County			
County Pop	1,587	3,730	
KVIH-D (20)	1,243	2,928	
Ix Free	1,243	2,928	100.00
Deaf Smith County			
County Pop	6,914	18,561	
KVIH-D (20)	18	30	
Ix Free	18	30	100.00
Hockley County			
County Pop	9,148	22,716	
KVIH-D (20)	33	46	
Ix Free	33	46	100.00
Lamb County			
County Pop	6,294	14,709	
KVIH-D (20)	1,105	2,453	
Ix Free	1,105	2,453	100.00
Parmer County			
County Pop	3,732	10,016	
KVIH-D (20)	3,656	9,811	
Ix Free	3,656	9,811	100.00

KVIH-DT.PRM
PROPOSED ALLOC.
 Latitude: 34-11-34 N
 Longitude: 103-16-44 W
 ERP: 5.00 kW
 Channel: 12
 Frequency: 207.0 MHz
 AMSL Height: 1437.0 m
 Elevation: 1226.0 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 301.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast

D.L. Markley & Associates, Inc.

- ☒ KVIH-DT.PRM
- ☐ K11JD
- ☐ K12FM
- ☐ K12FM-D.C
- ☐ K12LQ
- ☐ K12MP
- ☐ K12NH
- ☐ K12OC
- ☐ K12OG
- ☐ K12OG.C
- ☐ K12OG-D.C
- ☐ K13RK
- ☐ K13RK-D.A
- ☐ KCB D
- ☐ KCB D-D
- ☐ KCB D-D.C
- ☐ KDAX-L


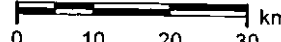
 > 36.0 dBu

Exhibit E-3
 Proposed Service Area
 KVIH-DT - Clovis, New Mexico
 Barrington Amarillo License LLC
 September, 2008

Service Area Population: 86,075

Scale 1:1,000,000


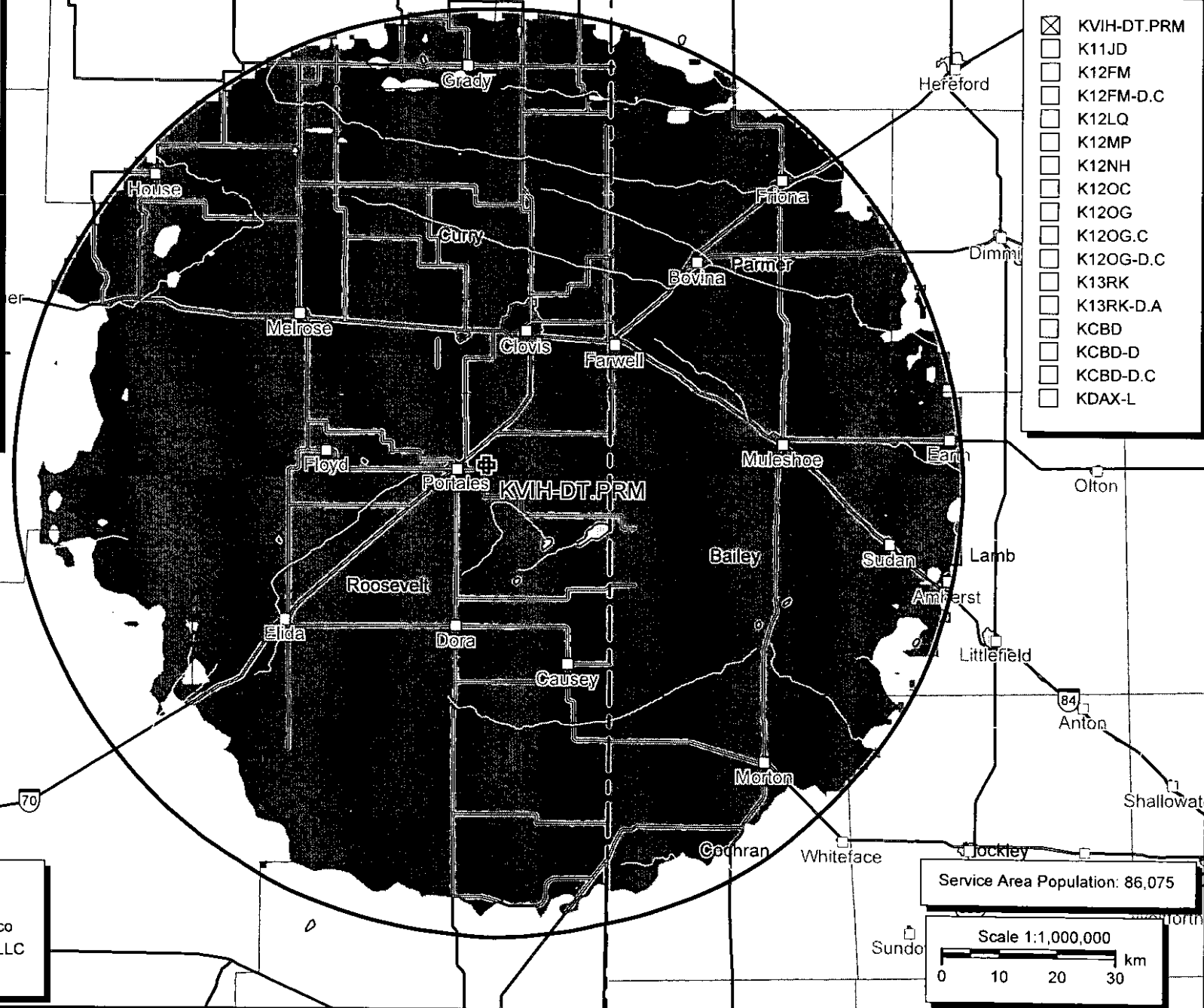


Exhibit E-3

Service Area Population Calculation for Proposed Allocation.

KVIH-DT.PRM (12) CLOVIS, NM - PROPOSED ALLOC.

Broadcast Type: Digital Service: D

Lat: 34-11-34 N Lng: 103-16-44 W ERP: 5.0 kW AMSL: 1437.0 m

TV Incoming Interference Study

Interference Considered Within: Noise Limited FCC Contour

Signal Resolution: 2.0 km

LR Profile Spacing Increment: 1.0 km

Consider NTSC Taboo: Yes

KWX error points are considered to
be interference free coverage.

of radials computed for protected contour: 360

Threshold for reception: 36.0

Pop Centroid DB: 2000 US Census (SF1)

Study Date: 9/22/2008

TV Database Date: 9/20/2008

Primary Terrain: V-Soft 3 Second US Terrain

Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 86,075.

Stations considered which do not cause interference:

K11JD (11N)
K12FM (12N)
K12FM-D.C (12)
K12LQ (12N)
K12MP (12N)
K12NH (12Z)
K12OC (12N)
K12OG (12N)
K12OG.C (12N)
K12OG-D.C (12)
K13RK (13N)
K13RK-D.A (13)
KCBD (11Z)
KCBD-D (11)
KCBD-D.C (11)
KDAX-L (13+)

Call Letters	City	State	Dist	Bear
K11JD (11N)	Conchas Dam, Etc.	NM	147.1	324.1
K12FM (12N)	Fort Stockton	TX	369.4	173.7

K12FM-D.C (12)	Fort Stockton	TX	369.4	173.7
K12LQ (12N)	Buena Vista	NM	261.7	316.9
K12MP (12N)	Timberon	NM	281.5	233.2
K12NH (12Z)	Hobbs	NM	164.9	175.8
K12OC (12N)	Red River	NM	335.3	326.1
K12OG (12N)	Taos	NM	338.4	322.2
K12OG.C (12N)	Taos	NM	319.7	320.6
K12OG-D.C (12)	Taos	NM	319.7	320.6
K13RK (13N)	Roswell	NM	134.5	229.6
K13RK-D.A (13)	Roswell	NM	134.5	229.6
KCBD (11Z)	Lubbock	TX	151.7	118.0
KCBD-D (11)	LUBBOCK	TX	151.7	118.0
KCBD-D.C (11)	Lubbock	TX	151.7	118.0
KDAX-L (13+)	Amarillo	TX	167.7	52.7

Totals for KVIH-DT.PRM (12)

Calculation Area Population:	86,454	(20906.2 sq. km)
Not Affected by Terrain Loss:	86,075	(18585.3 sq. km)
Total NTSC Interference:	0	(0.0 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	0	(0.0 sq. km)
Interference Free:	86,075	(18585.3 sq. km)

Percent Interference: 0.00

Terrain Blocked Population:	379	(2320.9 sq. km)
Contour Area Population:	86,722	

Interference Free Breakdown:

White:	49,360	(57.3%)
Black:	3,676	(4.3%)
Hispanic:	30,348	(35.3%)
Native American:	475	(0.6%)
Asian:	924	(1.1%)
Pacific Islander:	51	(0.1%)
Mixed Race:	1,164	(1.4%)
Other:	77	(0.1%)
Total:	86,075	

	Housing Units	Population	% of County
New Mexico			

Chaves County			
County Pop	25,647	61,382	
KVIH-DT.PRM (12)	15	36	
Ix Free	15	36	100.00
Curry County			
County Pop	19,212	45,044	
KVIH-DT.PRM (12)	19,185	44,990	
Ix Free	19,185	44,990	100.00
De Baca County			
County Pop	1,307	2,240	
KVIH-DT.PRM (12)	14	26	
Ix Free	14	26	100.00
Lea County			
County Pop	23,405	55,511	
KVIH-DT.PRM (12)	17	31	
Ix Free	17	31	100.00
Quay County			
County Pop	5,664	10,155	
KVIH-DT.PRM (12)	167	270	
Ix Free	167	270	100.00
Roosevelt County			
County Pop	7,746	18,018	
KVIH-DT.PRM (12)	7,743	18,013	
Ix Free	7,743	18,013	100.00

	Housing Units	Population	% of County
Texas			
Bailey County			
County Pop	2,738	6,594	
KVIH-DT.PRM (12)	2,738	6,594	
Ix Free	2,738	6,594	100.00
Castro County			
County Pop	3,198	8,285	
KVIH-DT.PRM (12)	56	109	
Ix Free	56	109	100.00
Cochran County			
County Pop	1,587	3,730	
KVIH-DT.PRM (12)	1,208	2,849	
Ix Free	1,208	2,849	100.00
Deaf Smith County			
County Pop	6,914	18,561	
KVIH-DT.PRM (12)	11	18	
Ix Free	11	18	100.00
Hockley County			
County Pop	9,148	22,716	
KVIH-DT.PRM (12)	28	41	
Ix Free	28	41	100.00
Lamb County			
County Pop	6,294	14,709	
KVIH-DT.PRM (12)	1,424	3,293	
Ix Free	1,424	3,293	100.00

Parmer County			
County Pop	3,732	10,016	
KVIH-DT.PRM (12)	3,653	9,805	
Ix Free	3,653	9,805	100.00

KVIHTV

BLCT1773

Latitude: 34-11-34 N

Longitude: 103-16-44 W

ERP: 178.00 kW

Channel: 12-

Frequency: 207.0 MHz

AMSL Height: 1437.0 m

Elevation: 1229.0 m

Horiz. Pattern: Omni

Vert. Pattern: Yes

Elec Tilt: 0.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 301.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 50.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

■ > 56.0 dBu

D.L. Markley & Associates, Inc.

- ☒ KVIHTV
- ☐ K11JD
- ☐ K12FM
- ☐ K12FM-D.C
- ☐ K12LQ
- ☐ K12MP
- ☐ K12NH
- ☐ K12OC
- ☐ K12OG
- ☐ K12OG.C
- ☐ K12OG-D.C
- ☐ K13RK
- ☐ K13RK-D.A
- KCBD
- ☐ KDAX-L
- ☐ KLBKTV
- KTXSTV
- ☐ KWET

Exhibit E-4

KVIH-TV NTSC Service Area

KVIH-DT - Clovis, New Mexico

Barrington Amarillo License LLC

September, 2008

Service Area Population: 83,763

Scale 1:1,000,000

0 10 20 30 km

Exhibit E-4

Service Area Population Calculation for Licensed KVIH-TV.

KVIHTV (12-) Clovis, NM - BLCT1773

Broadcast Type: NTSC Service: V

Lat: 34-11-34 N Lng: 103-16-44 W ERP: 178.0 kW AMSL: 1437.0 m

TV Incoming Interference Study

Interference Considered Within: FCC Contour: 56 dBu

Signal Resolution: 2.0 km

LR Profile Spacing Increment: 1.0 km

Consider NTSC Taboo: Yes

KWX error points are considered to
be interference free coverage.

of radials computed for protected contour: 360

Threshold for reception: 56.0

Pop Centroid DB: 2000 US Census (SF1)

Study Date: 9/24/2008

TV Database Date: 9/24/2008

Primary Terrain: V-Soft 3 Second US Terrain

Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Percentages calculated using a baseline population of 86,086.

Stations which cause interference:

Call Letters	H Units	Population	%	Area (sq. km)
KCBD (11Z)	1014	2263	2.629	579.68
KLBKTV (13-)	434	969	1.126	190.54
KTXSTV (12Z)	79	184	0.214	150.10
KWET (12+)	30	60	0.070	80.50

Masking Summary:

Call Letters	Total Interference		Unique Interference	
	Population	%	Population	%
KCBD (11Z)	2263	2.629	1270	1.475
KLBKTV (13-)	969	1.126	0	0.000
KTXSTV (12Z)	184	0.214	0	0.000
KWET (12+)	60	0.070	60	0.070

Stations considered which do not cause interference:

K11JD (11N)
K12FM (12N)
K12FM-D.C (12)
K12LQ (12N)
K12MP (12N)
K12NH (12Z)
K12OC (12N)

K12OG (12N)
 K12OG.C (12N)
 K12OG-D.C (12)
 K13RK (13N)
 K13RK-D.A (13)
 KDAX-L (13+)

Call Letters	City	State	Dist	Bear
K11JD (11N)	Conchas Dam, Etc.	NM	147.1	324.1
K12FM (12N)	Fort Stockton	TX	369.4	173.7
K12FM-D.C (12)	Fort Stockton	TX	369.4	173.7
K12LQ (12N)	Buena Vista	NM	261.7	316.9
K12MP (12N)	Timberon	NM	281.5	233.2
K12NH (12Z)	Hobbs	NM	164.9	175.8
K12OC (12N)	Red River	NM	335.3	326.1
K12OG (12N)	Taos	NM	338.4	322.2
K12OG.C (12N)	Taos	NM	319.7	320.6
K12OG-D.C (12)	Taos	NM	319.7	320.6
K13RK (13N)	Roswell	NM	134.5	229.6
K13RK-D.A (13)	Roswell	NM	134.5	229.6
KCBD (11Z)	Lubbock	TX	151.7	118.0
KDAX-L (13+)	Amarillo	TX	167.7	52.7
KLBKTU (13-)	Lubbock	TX	150.0	119.2
KTXSTV (12Z)	Sweetwater	TX	355.2	122.9
KWET (12+)	Cheyenne	OK	364.8	63.8

Totals for KVIHTV (12-)

Calculation Area Population:	87,046	(21597.8 sq. km)
Not Affected by Terrain Loss:	86,086	(18572.3 sq. km)
Total NTSC Interference:	2,323	(660.2 sq. km)
DTV Only Interference:	0	(0.0 sq. km)
Total DTV Interference:	0	(0.0 sq. km)
Interfered Population:	2,323	(660.2 sq. km)
Interference Free:	83,763	(17912.2 sq. km)

Percent Interference: 2.70

Terrain Blocked Population:	960	(3025.5 sq. km)
Contour Area Population:	87,069	

Interference Free Breakdown:

White:	48,008	(57.3%)
Black:	3,550	(4.2%)
Hispanic:	29,541	(35.3%)

Native American:	472	(0.6%)
Asian:	920	(1.1%)
Pacific Islander:	51	(0.1%)
Mixed Race:	1,145	(1.4%)
Other:	76	(0.1%)

Total: 83,763

	Housing Units	Population	% of County
New Mexico			
Chaves County			
County Pop	25,647	61,382	
KVIHTV (12-)	12	30	
Ix Free	12	30	100.00
Curry County			
County Pop	19,212	45,044	
KVIHTV (12-)	19,190	44,998	
Ix Free	19,190	44,998	100.00
De Baca County			
County Pop	1,307	2,240	
KVIHTV (12-)	13	22	
Ix Free	13	22	100.00
Lea County			
County Pop	23,405	55,511	
KVIHTV (12-)	17	31	
Ix Free	17	31	100.00
Quay County			
County Pop	5,664	10,155	
KVIHTV (12-)	175	292	
Ix Free	175	292	100.00
Roosevelt County			
County Pop	7,746	18,018	
KVIHTV (12-)	7,741	18,009	
Ix Free	7,741	18,009	100.00

	Housing Units	Population	% of County
Texas			
Bailey County			
County Pop	2,738	6,594	
KVIHTV (12-)	2,738	6,594	
KCBD (11Z)	5	11	0.17
Ix Free	2,733	6,583	99.83
Castro County			
County Pop	3,198	8,285	
KVIHTV (12-)	64	121	
KWET (12+)	13	22	18.18
Ix Free	51	99	81.82
Cochran County			

County Pop	1,587	3,730	
KVIHTV (12-)	1,209	2,854	
KCBD (11Z)	19	37	1.30
KLBKTV (13-)	3	10	0.35
KTXSTV (12Z)	10	22	0.77
Ix Free	1,190	2,817	98.70
Deaf Smith County			
County Pop	6,914	18,561	
KVIHTV (12-)	9	16	
Ix Free	9	16	100.00
Hockley County			
County Pop	9,148	22,716	
KVIHTV (12-)	39	72	
KCBD (11Z)	39	72	100.00
KLBKTV (13-)	27	57	79.17
KTXSTV (12Z)	13	34	47.22
Ix Free	0	0	0.00
Lamb County			
County Pop	6,294	14,709	
KVIHTV (12-)	1,592	3,675	
KCBD (11Z)	951	2,143	58.31
KLBKTV (13-)	404	902	24.54
KTXSTV (12Z)	56	128	3.48
Ix Free	641	1,532	41.69
Parmer County			
County Pop	3,732	10,016	
KVIHTV (12-)	3,493	9,372	
KWET (12+)	17	38	0.41
Ix Free	3,476	9,334	99.59

KVIH-D
PROPOSED ALLOC.
Latitude: 34-11-34 N
Longitude: 103-16-44 W
ERP: 5.00 kW
Channel: 12
Frequency: 207.0 MHz
AMSL Height: 1437.0 m
Elevation: 1226.0 m
Horiz. Pattern: Omni
Vert. Pattern: Yes
Elec Tilt: 0.0
Prop Model: Longley/Rice
Climate: Cont temperate
Conductivity: 0.0050
Dielec Const: 15.0
Refractivity: 301.0
Receiver Ht AG: 10.0 m
Receiver Gain: 0 dB
Time Variability: 10.0%
Sit. Variability: 50.0%
ITM Mode: Broadcast

D.L. Markley & Associates, Inc.

- ☒ KVIH-D
- ☐ K12LQ
- ☐ K12MP
- ☐ K12NH
- ☐ K12OG-D.C
- ☐ K13RK-D.A
- ☐ KCB-D
- ☐ KCB-D.C

K12OG-D.C

K12LQ

KVIH-D

K13RK-D.A

KCB-D.C

K12MP

K12NH

Exhibit E-5
Outgoing Interference Study
KVIH-DT - Clovis, New Mexico
Barrington Amarillo License LLC
September, 2008

Scale 1:3,000,000
0 40 80 120 km

Exhibit E-5

Outgoing Interference Population Report for Proposed Allocation.

KVIH-D (12) CLOVIS, NM - PROPOSED ALLOC.

Broadcast Type: Digital Service: D

Lat: 34-11-34 N Lng: 103-16-44 W ERP: 5.0 kW AMSL: 1437.0 m

TV Outgoing Interference Study

Signal Resolution: 2.0 km

Consider NTSC Taboo: Yes

KWX error points are considered to
be interference free coverage.

Default # of radials computed for contours: 72

Contours calculated using 8 radial HAAT.

LR Profile Spacing Increment: 1.0 km

Masked interference points are being
counted as interference.

Pop Centroid DB: 2000 US Census (SF1)

Study Date: 9/22/2008

TV Database Date: 9/20/2008

Primary Terrain: V-Soft 3 Second US Terrain

Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Stations Considered:

Call Letters	City	State	Dist	Bear
K12LQ (12N)	Buena Vista	NM	261.7	316.9
K12MP (12N)	Timberon	NM	281.5	233.2
K12NH (12Z)	Hobbs	NM	164.9	175.8
K12OG-D.C (12)	Taos	NM	319.7	320.6
K13RK-D.A (13)	Roswell	NM	134.5	229.6
KCBD-D (11)	LUBBOCK	TX	151.7	118.0
KCBD-D.C (11)	Lubbock	TX	151.7	118.0

Call	Area	HUnits	Contour	Masked Ix	Unmasked Ix	%
K12LQ (12N)	0.0	0	232	0	0	0.0
K12MP (12N)	0.0	0	114	0	0	0.0
K12NH (12Z)	0.0	0	15,300	0	0	0.0
K12OG-D.C (12)	0.0	0	8,763	0	0	0.0
K13RK-D.A (13)	0.0	0	59,539	0	0	0.0
KCBD-D (11)	0.0	0	374,941	0	0	0.0
KCBD-D.C (11)	0.0	0	374,941	0	0	0.0

Housing Units Population

KVIH-DT.PRM
PROPOSED ALLOC.
 Latitude: 34-11-34 N
 Longitude: 103-16-44 W
 ERP: 5.00 kW
 Channel: 12
 Frequency: 207.0 MHz
 AMSL Height: 1437.0 m
 Elevation: 1226.0 m
 Horiz. Pattern: Directional
 Vert. Pattern: No
 Prop Model: Longley/Rice
 Climate: Cont temperate
 Conductivity: 0.0050
 Dielec Const: 15.0
 Refractivity: 311.0
 Receiver Ht AG: 10.0 m
 Receiver Gain: 0 dB
 Time Variability: 90.0%
 Sit. Variability: 50.0%
 ITM Mode: Broadcast

City of License
 Clovis, New Mexico

D.L. Markley & Associates, Inc.

■ > 43.0 dBu
 □ 36.0 - 43.0

Exhibit E-6
 City of License Coverage
 KVIH-DT - Clovis, New Mexico
 Barrington Amarillo License LLC
 September, 2008

